

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent/Application Nos:

Customer No.: 30678

11/445,754 (now U.S. Patent 7,408,410)
11/708,992 (now U.S. Patent 7,592,866)
12/564,791 (now U.S. Patent 7,808,316)
12/493,907 (now U.S. Patent 8,026,775)
13/214,345
08/624,730 (now U.S. Patent 5,652,751)
11/715,705 (now U.S. Patent 7,557,673)
12/454,456 (now U.S. Patent 7,847,653)
09/780,348 (now U.S. Patent 6,990,060)
08/884,650 (now U.S. Patent 5,867,479)
09/241,313 (now U.S. Patent 6,091,704)
09/625,641 (now U.S. Patent 6,351,451)

Revocation and Power of Attorney

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

All previous powers of attorney and authorizations of agent are hereby revoked, and the undersigned hereby appoints the attorneys and agents of Connolly Bove Lodge & Hutz LLP associated with U.S. Patent and Trademark Office ("PTO") Customer Number 30678 to prosecute these applications and any U.S., foreign, or international applications under the Patent Cooperation Treaty based on them and to transact all business in the PTO connected therewith, and to receive all communications from the PTO, including the patent documents. Further details about each application are found in the Appendix to this paper. The authority under this Power of Attorney of each person listed under the aforementioned PTO Customer Number shall automatically terminate and be revoked upon such person ceasing to be associated with Connolly Bove Lodge & Hutz LLP.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

Designation of Correspondence Address

Please send all notices, official letters, documents, communications, and other correspondence regarding these applications to:

Connolly Bove Lodge & Hutz LLP
1875 Eye Street NW, Suite 1100
Washington, DC 20006

or to the address currently associated with PTO Customer Number 30678. Please also record the respective Attorney Docket Numbers in the attached appendix in any applicable databases.

Certificate Under 37 C.F.R. § 3.73(b)

Gradual Tech Software L.L.C. is the assignee of the entire right, title, and interest in these patents and applications by virtue of the chains of assignment shown in the attached Appendix, which are recorded in the records of the U.S. Patent and Trademark Office. To the best of the undersigned's knowledge and belief, the titles are in the name of said assignee. The undersigned, whose title is supplied below, is empowered to sign this certificate on behalf of Gradual Tech Software L.L.C.

Signed: Dottie Smith Date: 2-10-2012
Name: Dottie Smith
Title: Authorized Person for Gradual Tech Software L.L.C.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

APPENDIX: DETAILS OF LISTED APPLICATIONS

Application No.: 11/445,754

Confirmation No.: 7397

Patent No.: 7,408,410

Filing Date: June 2, 2006

Issue Date: August 5, 2008

First Named Inventor: Neil E. Wood

Title: APPARATUS FOR BIASING A COMPLEMENTARY METAL-OXIDE SEMICONDUCTOR DIFFERENTIAL AMPLIFIER

Attorney Docket No.: 27592-1306-US

Chain of Title:

Assignment from the inventor (Neil E. Wood) to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 018097, Frame 0127, on August 14, 2006; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 11/708,992

Confirmation No.: 3036

Patent No.: 7,592,866

Filing Date: February 20, 2007

Issue Date: September 22, 2009

First Named Inventor: David E. Meharry

Title: WIDEBAND DIFFERENTIAL AMPLIFIER INCLUDING SINGLE-ENDED AMPLIFIERS COUPLED TO A FOUR-PORT TRANSFORMER

Attorney Docket No.: 27592-01307-US1

Chain of Title:

Assignment from the inventor (David E. Meharry) to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 019151, Frame 0754, on April 12, 2007; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

Application No.: 12/564,791

Confirmation No.: 9131

Patent No.: 7,808,316

Filing Date: September 22, 2009

Issue Date: October 5, 2010

First Named Inventor: David E. Meharry

Title: WIDEBAND DIFFERENTIAL AMPLIFIER INCLUDING SINGLE-ENDED AMPLIFIERS COUPLED TO A FOUR-PORT TRANSFORMER

Attorney Docket No.: 27592-01307-US2

Chain of Title:

Assignment from the inventor (David E. Meharry) to BAE Systems Information and Electronic Systems Integration, Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 027648, Frame 0885, on February 3, 2012; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 12/493,907

Confirmation No.: 1221

Patent No.: 8,026,775

Filing Date: June 29, 2009

Issue Date: September 27, 2011

First Named Inventor: David E. Meharry

Title: DECADE BANDWIDTH PLANAR MMIC FOUR PORT TRANSFORMER

Attorney Docket No.: 27592-01308-US

Chain of Title:

Assignment from the inventor (David E. Meharry) to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 022889, Frame 0977, on June 30, 2009; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

Application No.: 13/214,345

Confirmation No.: 1163

Patent No.:

Filing Date: August 22, 2011

Issue Date:

First Named Inventor: David E. Meharry

Title: DECADE BANDWIDTH PLANAR MMIC FOUR PORT TRANSFORMER

Attorney Docket No.: 27592-01308-US1

Chain of Title:

Assignment from the inventor (David E. Meharry) to BAE Systems Information and Electronic Systems Integration, Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 027648, Frame 0955, on February 3, 2012; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 08/624,730

Confirmation No.: 4827

Patent No.: 5,652,751

Filing Date: March 26, 1996

Issue Date: July 29, 1997

First Named Inventor: Jacob Sharony

Title: ARCHITECTURE FOR MOBILE RADIO NETWORKS WITH DYNAMICALLY CHANGING TOPOLOGY USING VIRTUAL SUBNETS

Attorney Docket No.: 27592-01309-US

Chain of Title:

Assignment from the inventor (Jacob Sharony) to Hazeltine Corporation, recorded in the records of the U.S. Patent and Trademark Office at Reel 007907, Frame 0512, on April 22, 1996; a Merger from Hazeltine Corporation to GEC-Marconi Hazeltine Corporation, recorded in the records of the U.S. Patent and Trademark Office at Reel 026942, Frame 0555, on September 21, 2011; a Change of Name from GEC-Marconi Hazeltine Corporation to Marconi Aerospace Systems Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 026972, Frame 0538 on September 21, 2011; a Change of Name from Marconi Aerospace Systems Inc. to BAE Systems Aerospace Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 026972, Frame 0665 on September 21, 2011; a Merger from BAE Systems Aerospace Inc. to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 026943, Frame 0742 on September 21, 2011; and an Assignment from BAE Systems Information and Electronic

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 11/715,706

Confirmation No.: 6056

Patent No.: 7,557,673

Filing Date: March 8, 2007

Issue Date: July 7, 2009

First Named Inventor: David E. Meharry

Title: WIDE BANDWIDTH MICROWAVE BALUN

Attorney Docket No.: 27592-01310-US

Chain of Title:

Assignment from the inventor (David E. Meharry) to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 019051, Frame 0437, on March 22, 2007; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 12/454,456

Confirmation No.: 6978

Patent No.: 7,847,653

Filing Date: May 18, 2009

Issue Date: December 7, 2010

First Named Inventor: David E. Meharry

Title: WIDE BANDWIDTH MICROWAVE BALUN

Attorney Docket No.: 27592-01310-US1

Chain of Title:

Assignment from the inventor (David E. Meharry) to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 027649, Frame 0054, on February 3, 2012; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

Application No.: 09/780,348

Confirmation No.: 8059

Patent No.: 6,990,060

Filing Date: February 12, 2001

Issue Date: January 24, 2006

First Named Inventor: Thomas C. Butash

Title: POLYPHASE-DISCRETE FOURIER TRANSFORM (DFT) SUB-BAND DEFINITION FILTERING ARCHITECTURE

Attorney Docket No.: 27592-01311-US

Chain of Title:

Assignment from the inventor (Thomas C. Butash) to BAE Systems, recorded in the records of the U.S. Patent and Trademark Office at Reel 011939, Frame 0866, on April 25, 2001; a Corrected Assignment from Thomas C. Butash to BAE Systems Information and Electronic Warfare Systems recorded in the records of the U.S. Patent and Trademark Office at Reel 017411, Frame 0995 on April 3, 2006; a Corrected Assignment from Thomas C. Butash to BAE Systems Information and Electronic Systems Integration Inc. recorded in the records of the U.S. Patent and Trademark Office at Reel 025314, Frame 0741 on November 24, 2010; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 08/884,650

Confirmation No.: 6441

Patent No.: 5,867,479

Filing Date: June 27, 1997

Issue Date: February 2, 1999

First Named Inventor: Thomas C. Butash

Title: DIGITAL MULTI-CHANNEL DEMULTIPLEXER/MULTIPLEX (MCD/M ARCHITECTURE)

Attorney Docket No.: 27592-01312-US

Chain of Title:

Assignment from the inventor (Thomas C. Butash) to Lockheed Martin Corporation, recorded in the records of the U.S. Patent and Trademark Office at Reel 008630, Frame 0793, on June 27, 1997; an Assignment from Lockheed Martin Corporation to BAE Systems Information and Electronic Systems Integration, Inc. recorded in the records of the U.S. Patent and Trademark Office at Reel 012287, Frame 0780 on June 22, 2011; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

Application No.: 09/241,313

Confirmation No.: 8553

Patent No.: 6,091,704

Filing Date: February 1, 1999

Issue Date: July 18, 2000

First Named Inventor: Thomas C. Butash

Title: DIGITAL MULTI-CHANNEL DEMULTIPLEXER/MULTIPLEXER (MCD/M) ARCHITECTURE

Attorney Docket No.: 27592-01312-US1

Chain of Title:

Assignment from the inventor (Thomas C. Butash) to Lockheed Martin Corporation recorded in the records of the U.S. Patent and Trademark Office at Reel 027649, Frame 0176 on February 3, 2012; an Assignment from Lockheed Martin Corporation to BAE Systems Information and Electronic Systems Integration Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 012287, Frame 0780 on June 22, 2011; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Application No.: 09/625,641

Confirmation No.: 7806

Patent No.: 6,351,451

Filing Date: July 25, 2000

Issue Date: February 26, 2002

First Named Inventor: Thomas C. Butash

Title: DIGITAL MULTI-CHANNEL DEMULTIPLEXER/MULTIPLEXER (MCD/M) ARCHITECTURE

Attorney Docket No.: 27592-01363-US

Chain of Title:

Assignment from the inventor (Thomas C. Butash) to BAE Systems Information and Electronic Systems Integration, Inc., recorded in the records of the U.S. Patent and Trademark Office at Reel 012524, Frame 0134, on January 25, 2002; and an Assignment from BAE Systems Information and Electronic Systems Integration Inc. to Gradual Tech Software L.L.C., recorded in the records of the U.S. Patent and Trademark Office at Reel 027528, Frame 0442, on January 13, 2012.

Patent/Appln. Nos: 11/445,754 (now U.S. Patent 7,408,410); 11/708,992 (now U.S. Patent 7,592,866); 12/564,791 (now U.S. Patent 7,808,316); 12/493,907 (now U.S. Patent 8,026,775); 13/214,345; 08/624,730 (now U.S. Patent 5,652,751); 11/715,705 (now U.S. Patent 7,557,673); 12/454,456 (now U.S. Patent 7,847,653); 09/780,348 (now U.S. Patent 6,990,060); 08/884,650 (now U.S. Patent 5,867,479); 09/241,313 (now U.S. Patent 6,091,704); 09/625,641 (now U.S. Patent 6,351,451)

DECLARATION REGARDING AUTHORITY TO SIGN ON BEHALF OF A LEGAL
ENTITY
(37 C.F.R. 3.73(b)(2)(i))

I, Dottie Smith (whose title is supplied below), hereby declare that I am authorized to sign on behalf of Gradual Tech Software L.L.C..

By: Dottie Smith
Dottie Smith
Authorized Person for Gradual Tech Software L.L.C.

Date: 2-10-2012